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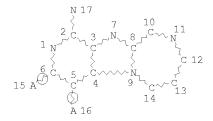
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667 ANSWERS

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FILE COVERS 1907 - 5 Oct 2010 VOL 153 ISS 15

FILE LAST UPDATED: 4 Oct 2010 (20101004/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

ZCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2010.

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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

TRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFINE PRINT *

Title compds. I [RA, RB = independently H, halo, alk(en)y1, alkowy, alkylthio, NHZ and derive:.or PACCRB = (un) substituted fused hetero/ary1, fused 5- to 7-membered saturated ring; X = a bond, alkylene; Z = (un) substituted alkylene; Mth the proviso that the total number of C atoms contributed by X and skeen; Y a about 500-200 and derived C atoms contributed by X and skeen; Y a contributed by X and alkene; Y a contributed by X and skeen; Y a contributed alkylene; MtP and derived; RT and contributed alk/en/ynyly, hetero/ary1, etc. with proviso; and their pharmaceutically acceptable salts], were prepared as immunomodulators for inducing cytokine biosynthesis in animals and in the treatment of diseases including viral and neplastic diseases. For example, If was prepared via cyclocondensation of 1,2-diamine derivative III with chloroacetyl chloride, cyclitation of imidacoguinoline, BDC-deprotection, chlorousifonation of amine (not isolated) with MeSOC1, oxidation/amination with NHSOH, and TBDMS-deprotection. Certain I modulated cytokine biosynthesis by inhibiting production of interferon and/or tendences of account of the contributed of the co

system.

1044675-88-8 1044675-97-9 1044676-02-9

RL: PRPH (Prophetic)
(Preparation of piperazine, [1,4]diazepane, [1,4]diazocane and [1,5]diazocane fused imidato ring compounds as inducers of cytokine blosynthesis for treatment of viral and neoplastic diseases]

ANSWER 1 OF 1 ZCAPLUS COPYRIGHT 2010 ACS on 51 860164-31-09 860164-33-69 860164-33-69 860164-33-69 860164-33-69 860164-33-69 860164-33-69 860164-33-69 860164-33-69 860164-41-69 860164-41-69 860164-41-69 860164-41-69 860164-41-69 860164-41-69 860164-41-69 860164-41-69 860164-41-69 860164-41-69 860164-61-61 860164-61-61-89 860164-6

860167-12-09
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); TBU (Therapeutic uses); BTOL (Biological study); PREP (Preparation); USES (Used county candidate; prepn. of fused inidate ring compds. as inducers of cytokine biosynthesis for treatment of viral and neoplastic disease) 860167-14-2P 860167-14-2P 860167-12-6P 860167-22-2P 860167-22-2P 860167-22-2P 860167-22-4P 860167-23-6P 860167-23-6P 860167-23-6P 860167-34-6P 9-(Methylsuffonyl)-3-(John,1).12-cetahydro-1H-11.4|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|inidato(4,5-c)|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|diarepinol'1,2':1,2|d

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L12 ANSMER 1 OF 1 ZCAPLUS COPYRIGHT 2010 ACS on SIN (Continued)
II 860160-34-5e, 11-((tert-Butyldimetnylstly)loxyl-9(metnylsulfonyl-9, 10, 11,12-tertanylava-8H
[1,4]diazepinol¹, 2:11,2]imidaro[4,5-c]quinolin-6-amine
860160-01-29 860160-41-49.

| Se016-0-34-0F, ll-|(tert-Buty|dimecnyanity.nor), | (netnylsulfonyl)-9,10,11,12-tertanylor-8H-| | 1,4|diazepino||1-2**(1,2|linidaro|4,5-c|quinolin-6-amine |

8H-[l,4]diazepino	[1',2':1,2]imidaz	o[4,5-c]quino
860160-42-5P	860162-53-4P	860162-55-6P
860162-57-8P	860162-59-OP	860162-61-4P
860162-63-6P	860162-65-8P	860162-67-OP
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860164-25-6P	860164-27-8P	860164-29-0P

112 ANSWER 1 OF 1 ZCAPLUS COPYRIGHT 2010 ACS on STN (Continued)

860173-16-69, tert-Butyl 6-amino-11-((tert-butyldimethylsily)) oxyl11,12-dihydro-86-14,2 pino[1', 2':1,2]lmidaro[4,5-c]quinoline-9(10H)11-(tert-Butyldimethylsily) oxyl-9,10,1,1,2-tertanydro-8H11-(tert-Butyldimethylsily) oxyl-9,10,1,1,2-tertanydro-8H11.4|diazepino[1',2':1,2]lmidaro[4,5-c]quinolin-6-amine hydrochloride

860173-35-99, tert-Butyl 6-amino-3-benryloxy-1,1,2-dihydro-8H11,4|diazepino[1',2':1,2]lmidaro[4,5-c]quinolin-6-amine

860173-35-69, 3-benryloxy-9,10,1,1,2-tertanydro-8H11,4|diazepino[1',2':1,2]lmidaro[4,5-c]quinolin-6-amine dihydrochloride
11,4|diazepino[1',2':1,2]lmidaro[4,5-c]quinolin-6-amine dihydrochloride
11(keactant or rasquen)
(synthetic preparation); PRCT (finetmediate; preps)
11 1043593-39-09

RL: SPN (Synthetic preparation); PREP (Preparation)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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LA	English																
211111	PATENT NO.					APPLICATION NO.											
PI	W02006074003				A2 20060713		2005WO-US0047258										
	WO2006074003			A.3	A3 20071122												
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2005W0-00697257P P 20050707 2005W0-US0047258 W 20051229 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OS CASREACT 145:145737; MARPAT 145:145757

Title compds. I $\{X=a \text{ bond}, \text{ straight or branched alkylene}, \text{ optionally having a substituent at a C other than the C adjacent to a heteroatom; <math>X'=s$ straight or branched alkylene, optionally having a substituent at a C other than the C adjacent to a heteroatom; provided that the sum of the

L13 ANSWER 1 OF 1 ZCAPLUS COPYRIGHT 2010 ACS on STN

L13 ANSWER 1 OF 1 SCAPLUS COPYRIGHT 2010 ACS on SIN (Continued)
ring C acoms contributed by X and X' = 1-3; Z = 0, NH and derive.,
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